

# Applicant Initiated Interview Request Form -- faxed to: 571.273-1220 (3 pp.)

In re the Application of

Chihiro SAWADA et al.

Group Art Unit: 1791

Application No.: 10/566,363

Examiner: G. KNABLE

Filed: August 29, 2006

Docket No.: 126817

For: MACHINE AND METHOD FOR BUILDING TIRES

**Tentative Participants:**(1) Hirotsuna Yamashita (2) Geoffrey Knable

(3) \_\_\_\_\_ (4) \_\_\_\_\_

**Confirmed Date of Interview:** April 16, 2010**Confirmed Time:** 11:00 (a.m.)**Type of Interview Requested:**(1) ☐ Telephonic (2) ☒ Personal (3) ☐ Video Conference**Exhibit To Be Shown or Demonstrated:** ☒ YES ☐ NOIf yes, provide brief description: Proposed claims 1 and 5

## Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) <u>Rejection</u>	<u>Claim 1</u>	<u>Endres</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) <u>Rejection</u>	<u>Claim 5</u>	<u>WO675</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Continuation Sheet Attached**Brief Description of Arguments to be Presented:**Differences between proposed claim 1 and proposed claim 5 and the applied references

An interview was conducted on the above-identified application on \_\_\_\_\_

**NOTE:**

This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of substance of this interview (37 CFR 1.133(b)) as soon as possible.

H. Yamashita

(Applicant/Applicant's Representative Signature)

(Examiner/SPE Signature)

## Proposed claim 1

1. (Currently Amended) A tire building machine comprising a bead core transfer device including a pair of clamp portions for clamping a pair of bead cores, respectively, and placing the clamped bead cores at positions axially spaced from each other by a predetermined distance, and a band drum having an outer peripheral surface for applying a carcass band thereon and causing a radial expansion of at least an axial portion of the carcass band so that it is pressure-bonded to inner peripheral surfaces of the bead cores, said tire building machine further comprising:

band drum rotation angle control means for rotating the band drum on which the carcass band is applied, by a required angle ~~that is determined, wherein the required angle is~~ calculated by a computer based on a radial force waveform obtained, before building of a desired tire, with respect to a tire of the same size, or by a characteristic waveform having a correlation to said radial force waveform; and

inclination control mechanism for causing a center axis of at least one of the clamp portions of said bead core transfer device to be inclined relative to a center axis of the band drum, in a predetermined direction, and by a required angle ~~that is determined by said waveform, wherein~~ the predetermined direction and the required angle are calculated by the computer based on said waveform.

April 14, 2010

Page 2

## Proposed claim 5

5. (Currently Amended) A method for building a tire comprising bead cores, and a carcass extending toroidally between the bead cores and having side portions that are turned-up radially outwards around the bead cores, wherein said method comprises:

preparing a ~~presumption~~ formula for ~~presuming~~ calculating a first order harmonic component of a radial run-out ~~waveform~~ waveform of toroidal carcass body ~~that generates,~~ wherein the first order harmonic component is generated by positional or angular deviation between a center axis of a cylindrical carcass band and a center axis of the bead core;

measuring a radial run-out of the toroidal carcass body of the previously built tire along its entire circumference, and obtaining an inverted first order harmonic waveform by inverting a measured waveform of the radial run-out, or by inverting a first order harmonic component extracted from said measured waveform of the radial run-out;

obtaining, upon ~~subsequent~~ building of a tire having the same size as said previously built tire by the same building machine, a positional or angular deviation between a center axis of a cylindrical carcass band and a center axis of the bead core, which generates said inverted first order harmonic waveform, based on calculation using said ~~presumption~~ formula, wherein the positional or angular deviation is to be considered for building the tire; and

changing the relative position or relative angle between the center axis of at least one of said bead cores and the center axis of the carcass band to be built for the tire, in a direction of the deviation and by an amount of the deviation, obtained by said ~~presumption~~ formula, respectively, ~~so as to set the bead cores to the carcass band.~~